

APPENDIX E. SURFACE SEDIMENT PHOTOGRAPHS, COLLECTION FORMS, SAMPLING LOGBOOK, AND COC

Year 7 Slip 4 Sediment Sampling Photos



Photo E1: Sediment sampling location SC-2-4 vicinity at approximately 11:27 AM on 8/1/2019.



Photo E2: Sediment sampling location SC-2-4 (0 – 10 cm horizon) at approximately 11:32 AM on 8/1/2019.



Photo E3: Sediment subsample from location SC-2-4 at approximately 11:33 AM on 8/1/2019.



Photo E4: Sediment sampling location SC-2-8 (0 – 10 cm horizon) at approximately 11:39 AM on 8/1/2019.



Photo E5: Sediment subsample from location SC-2-8 at approximately 11:40 AM on 8/1/2019.



Photo E6: Sediment sampling location SC-2-12 vicinity and (0 - 10 cm horizon) at approximately 11:42 AM on 8/1/2019.



Photo E7: Sediment subsample from location SC-2-12 at approximately 11:43 AM on 8/1/2019.



Photo E8: Sediment sampling location SC-3-4 (0 – 10 cm horizon) at approximately 11:54 AM on 8/1/2019.



Photo E9: Sediment subsample from location SC-3-4 at approximately 11:57 AM on 8/1/2019.



Photo E10: Sediment sampling location SC-3-8 (0 – 10 cm horizon) at approximately 12:03 PM on 8/1/2019.

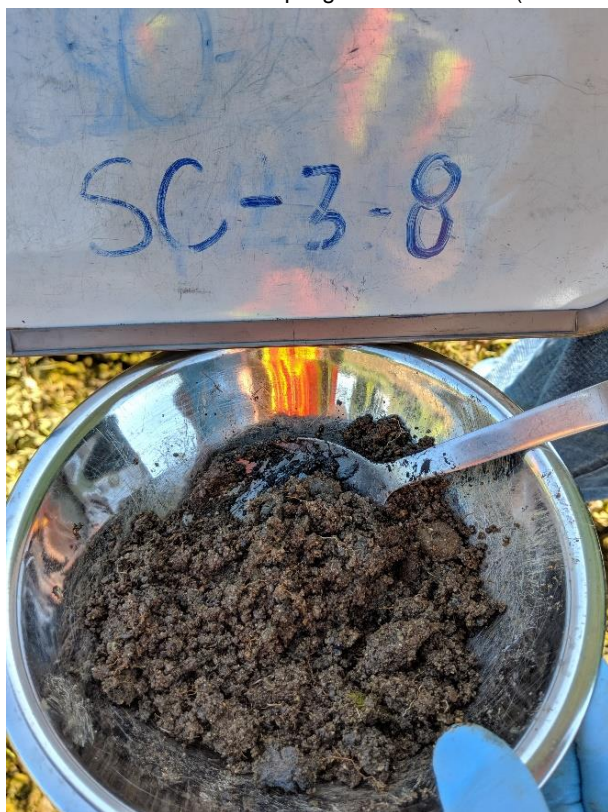


Photo E11: Sediment subsample from location SC-3-8 at approximately 12:03 PM on 8/1/2019.



Photo E12: Sediment sampling location SC-3-12 (0 – 10 cm horizon) at approximately 12:07 PM on 8/1/2019.

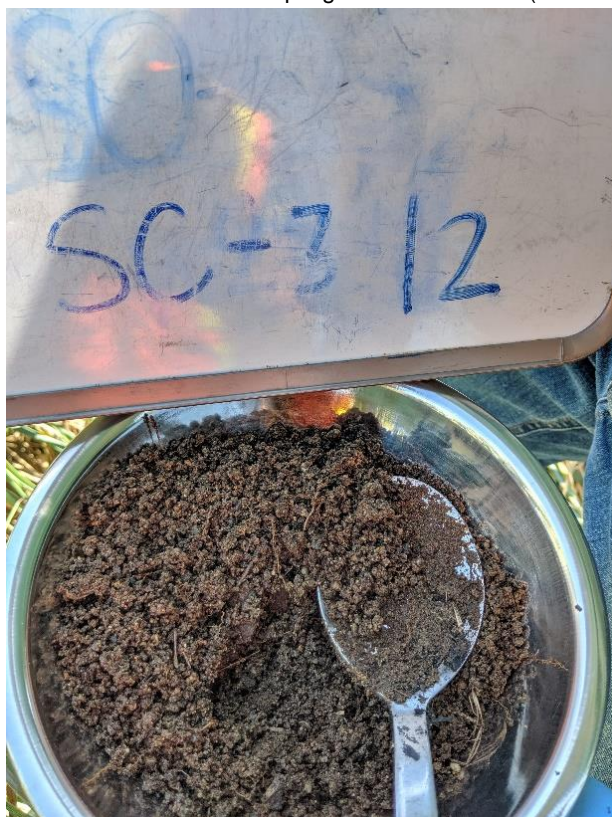


Photo E13: Sediment subsample from location SC-3-12 at approximately 12:08 PM on 8/1/2019.



Photo E14: Sediment composite sample SC-2 (composite) at approximately 11:47 AM on 8/1/2019.



Photo E15: Sediment composite sample SC-3 (composite) at approximately 12:13 PM on 8/1/2019.



Photo E16: Sediment sampling location WC-1 vicinity and 0 – 10 cm horizon at approximately 10:50 AM on 8/1/2019.



Photo E17: Sediment sample WC-1 at approximately 10:52 AM on 8/1/2019.



Photo E18: Sediment sampling location WC-2 vicinity and 0 – 10 cm horizon at approximately 10:25 AM on 8/1/2019.



Photo E19: Sediment sample WC-2 at approximately 10:38 AM on 8/1/2019.



Photo E20: Sediment sample WC-3 (in grab sampler) at approximately 8:23 AM on 8/1/2019.



Photo E21: Close-up of sediment sample WC-3 (in grab sampler, during processing) at approximately 8:29 AM on 8/1/2019.



Photo E22: Sediment sampling location WC-4 vicinity and 0 – 10 cm horizon at approximately 10:10 AM on 8/1/2019.



Photo E23: Sediment sample WC-4 at approximately 10:21 AM on 8/1/2019.

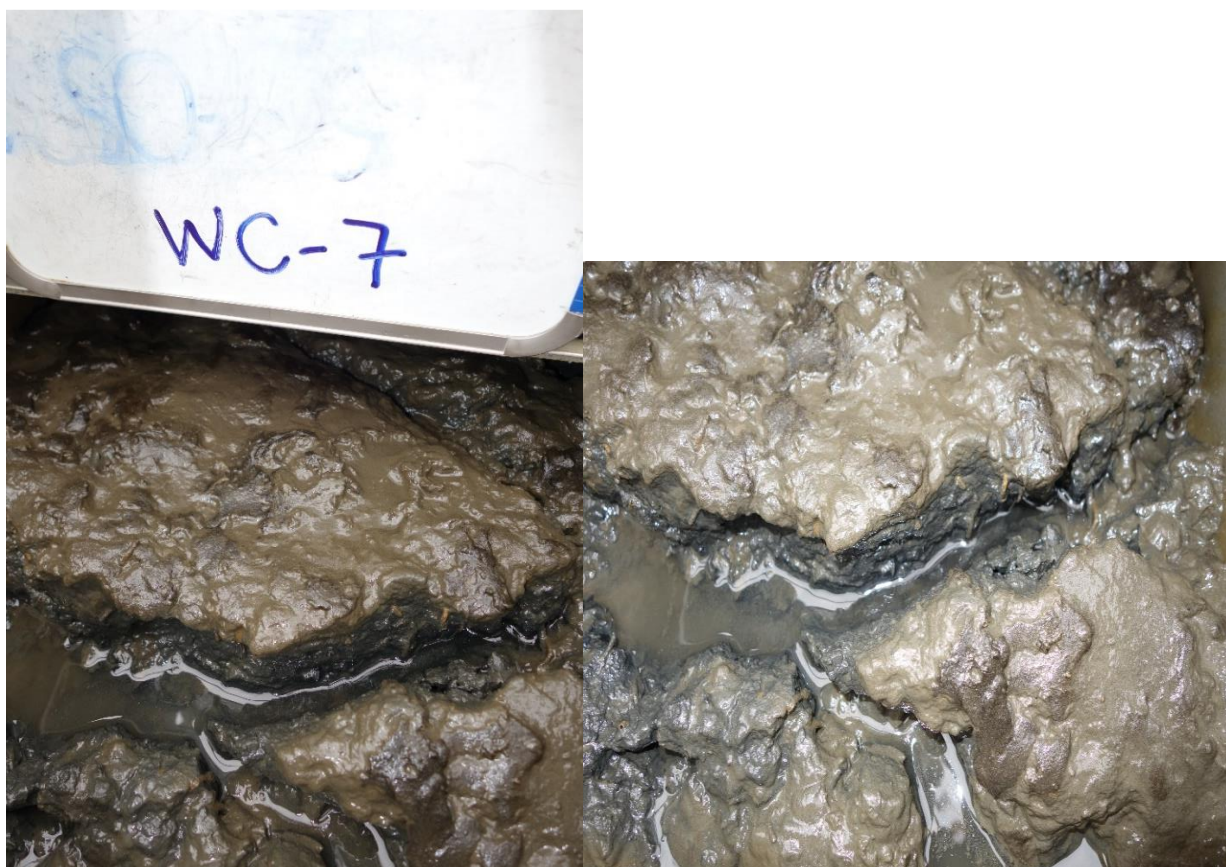


Photo E24: Sediment sample WC-7 (in grab sampler) at approximately 8:48 AM on 8/1/2019.



Photo E25: Sediment sample WC-7 at approximately 8:54 AM on 8/1/2019.



Photo E26: Sediment sample WC-8 (in grab sampler) at approximately 9:11 AM on 8/1/2019.



Photo E27: Sediment sample WC-8 at approximately 9:19 AM on 8/1/2019.

Surface Sediment Collection Forms

SLIP 4 EARLY ACTION AREA SURFACE SEDIMENT COLLECTION FORM

Project Name: Slip 4 LTM (YR 7) Project No.: _____ pg 1 of 7
 Date: 8/11/2019 Crew: T. Do, J. Love
 Weather: 65°F, partly cloudy, no precip.
 Sampling Method: Hydraulic power grab

Time: 08:16 Station: WC-3 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: 1.9 ft (Tolerance is +/- 2 meters)
 Bottom Depth: 8.7 ft Penetration Depth: 20 (cm) Photo ID: See below
 Fines Overlying Cap Material: ☒ Yes ☐ No Fines Thickness: 10 (cm)
 Sample ID: SL4-SG-WC3-2019
 Type: ☐ cobble ☒ gravel ☒ sand [coarse / medium (fine)] ☒ silt clay ☒ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☐ black ☐ brown ☒ brown surface Redox Discontinuity Depth: 41 (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 0-1.5 cm - brown surface, fines w/ organics
 1.5-10 cm - gray silt and trace fine sand w/ trace gravel
 General Comments:
 Isolated pockets of sheen
 Trace organic material (sm. sticks and plant debris)
 Extra gram size volume collected for lab QC
 Photo Nos.
 DSC07666 -
 DSC07671
 (6 photos)

Time: 08:39 Station: WC-7 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: _____ (Tolerance is +/- 2 meters)
 Bottom Depth: 9.5 ft Penetration Depth: 23.5 (cm) Photo ID: See below
 Fines Overlying Cap Material: ☒ Yes ☐ No Fines Thickness: 10 (cm)
 Sample ID: SL4-SG-WC7-2019
 Type: ☐ cobble ☒ gravel ☒ sand [coarse / medium (fine)] ☒ silt clay ☒ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☐ black ☐ brown ☒ brown surface Redox Discontinuity Depth: not (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other visible
 Comments/Description:
 0.5-1.0 cm - brown surface - fines w/ organics
 1.0 - 10 cm - gray silt w/ trace fine sands, worm tubes and trace leaf litter / plant debris
 Field dup taken: SL4-SG-WC7-FD-2019
 Photo Nos:
 DSC07672 - DSC07677 (6 photos)

Coordinates in navigation log -

SLIP 4 EARLY ACTION AREA SURFACE SEDIMENT COLLECTION FORM

Project Name: SLIP 4 LTM (YR 7) Project No.: _____ pg 2 of 7
 Date: 8/1/2019 Crew: T. Do, J. Love
 Weather: 65°F, partly cloudy, no precip.
 Sampling Method: Hydraulic power grab (WC-8) + hand-collected grab (WC-4)

Time: 09:08 Station: WC-8 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: _____ (Tolerance is +/- 2 meters)
 Bottom Depth: 2.1 ft Penetration Depth: 13 (cm) Photo ID: See below
 Fines Overlying Cap Material: ☒ Yes ☐ No Fines Thickness: 40.5 (cm)
 Sample ID: SL4-SG-WC8-2019
 Type: ☐ cobble ☒ gravel ☒ sand ☒ coarse ☐ medium ☒ fine ☐ silt clay ☐ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☐ black ☒ brown ☐ brown surface Redox Discontinuity Depth: none (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 Algae and trace fines (40.5 cm deep) on top.
 0-10 cm - brown silt w/ lots of cap material / gravel,
 and silt w/ fine sand.
 Sample will contain large gravel.
 Photo Nos.
 DSCO7678 - DSCO7687 (7 photos)

Time: 10:08 Station: WC-4 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: 2 ft south of marker (Tolerance is +/- 2 meters)
 Bottom Depth: ~1a Penetration Depth: 10 (cm) Photo ID: See below
 Fines Overlying Cap Material: ☒ Yes ☐ No Fines Thickness: 1 (cm)
 Sample ID: SL4-SG-WC4-2019
 Type: ☐ cobble ☒ gravel ☒ sand ☒ coarse ☐ medium ☒ fine ☒ silt clay ☐ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☒ gray ☐ black ☐ brown ☐ brown surface Redox Discontinuity Depth: 2-3 (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 0-1 cm - brown surface layer (fines w/ organics) and
 dark gray silt
 2-3 cm - includes rust-colored redox nodules
 1-10 cm - cap material - large, rounded gravel
 7-10 cm - " " " also coarse sand
 Photo Nos.
 DSCO7694 - DSCO7701 (8 photos)

SLIP 4 EARLY ACTION AREA SURFACE SEDIMENT COLLECTION FORM

Project Name: Slip 4 LTM (YR 7) Project No.: _____ pg 3 of 7
 Date: 8/1/2019 Crew: T. Do, J. Love
 Weather: 70°F, mostly sunny
 Sampling Method: hand-collected grab

Time: 10:30 Station: WC-2 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: 3.5 ft north of marker (Tolerance is +/- 2 meters)
 Bottom Depth: n/a Penetration Depth: 10 (cm) Photo ID: see below
 Fines Overlying Cap Material: ☒ Yes ☐ No Fines Thickness: 0-2 (cm)
 Sample ID: SL4-SG-WC2-2019
 Type: ☐ cobble ☒ gravel ☒ sand [coarse/medium/fine] ☒ silt clay ☒ organic matter ☐ wood/shell fragments
 Color: ☒ drab olive ☒ gray ☐ black ☐ brown ☐ brown surface Redox Discontinuity Depth: none (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 0-2 cm - brown surface w/ fines + organics
 2-10 cm - cap material, gravel w/ silt and sand (fine, med. + coarse) w/ gravel interstices
 9-10 cm - coarse sand begins
 * All of profile between 2-10 cm is dark gray
 * Standing water in bottom 2 cm of pit.
 Photo Nos: DSCO7702 - DSCO7711 (9 photos)

Time: 10:43 Station: WC-1 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: 1 ft east of marker (Tolerance is +/- 2 meters)
 Bottom Depth: n/a Penetration Depth: 10 (cm) Photo ID: see below
 Fines Overlying Cap Material: ☒ Yes ☐ No Fines Thickness: 5 (cm)
 Sample ID: SL4-SG-WC1-2019
 Type: ☐ cobble ☒ gravel ☐ sand [coarse/medium/fine] ☒ silt clay ☒ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☒ black ☐ brown ☐ brown surface Redox Discontinuity Depth: none (cm)
 Odor: ☐ none ☒ slight ☐ moderate ☐ strong ☒ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 0-0.5 cm - brown surface, silt and organic material
 0.5-5 cm - silty organic layer - black
 5-10 cm - cap material (large gravel)
 Photo Nos: DSCO7712 - DSCO7722
 (11 photos)

SLIP 4 EARLY ACTION AREA SURFACE SEDIMENT COLLECTION FORM

Project Name: SLIP 4 LTM (YR 7) Project No.: _____ pg 4 of 7
 Date: 8/1/2019 Crew: T. Do, J. Love
 Weather: MIA-70°F, mostly sunny
 Sampling Method: hand-collected grabs

Time: 11:23 Station: SC-2-4 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: 3 ft SE of marker (Tolerance is +/- 2 meters)
 Bottom Depth: N/A Penetration Depth: 10 (cm) Photo ID: See below
 Fines Overlying Cap Material: ☒ Yes ☐ No Fines Thickness: 0.5 (cm)
 Sample ID: N/A - subsample for composite
 Type: ☐ cobble ☒ gravel ☒ sand [coarse / medium / fine] ☒ silt clay ☒ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☒ gray ☐ black ☐ brown ☒ brown surface Redox Discontinuity Depth: 5-8 (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other Redox nodules
 Comments/Description:
 0 - 0.5 cm - fines, brown surface
 0.5 - 8 cm - gravel
 8 - 10 cm - rip-rap
 Photo Nos.
 DSC07723 -
 DSC07738
 (16 photos)

Time: 11:34 Station: SC-2-8 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: 5 inches S of marker (Tolerance is +/- 2 meters)
 Bottom Depth: N/A Penetration Depth: 10 (cm) Photo ID: See below
 Fines Overlying Cap Material: ☐ Yes ☒ No Fines Thickness: 0 (cm)
 Sample ID: N/A - subsample for composite
 Type: ☐ cobble ☒ gravel ☐ sand [coarse / medium / fine] ☒ silt clay ☐ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☐ black ☐ brown ☐ brown surface Redox Discontinuity Depth: none (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 Coarse gravel - very little sediment.
 0-10 cm - All cap material (gravel) with silt in interstices. Plant roots growing into gravel; Pacific aster growing all around sample station marker.
 Photo Nos: DSC07739 - DSC07741 + IMG-20190801-113950,
 IMG-20190801-113957, IMG-20190801-114010 + IMG-20190801-114012
 (7 photos)

SLIP 4 EARLY ACTION AREA SURFACE SEDIMENT COLLECTION FORM

Project Name: SLIP 4 LTM (YR 7) Project No.: _____ pg 5 of 7
 Date: 8/1/2019 Crew: T. No., J. Love
 Weather: mid-70s °F, Sunny
 Sampling Method: hand-collected grab

Time: 11:41 Station: SC-2-12 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: on station (Tolerance is +/- 2 meters)
 Bottom Depth: n/a Penetration Depth: 10 (cm) Photo ID: see below
 Fines Overlying Cap Material: ☐ Yes ☒ No Fines Thickness: 0 (cm)
 Sample ID: n/a - subsample for composite
 Type: ☐ cobble ☐ gravel ☒ sand (coarse / medium / fine) ☐ silt clay ☐ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☐ black ☒ brown ☐ brown surface Redox Discontinuity Depth: none (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other

Comments/Description:

0-10 cm - Sand with plant roots + trace gravel, leaf debris.
 - Station marker surrounded by dune grass.
 Photo Nos:
 IMG-20190801-114207, IMG-20190801-114301, IMG-20190801-114305,
 IMG-20190801-114320, IMG-20190801-114321 (5 photos)

Time: 11:45 Station: SC-2 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: on station (Tolerance is +/- 2 meters)
 Bottom Depth: n/a Penetration Depth: 10 (cm) Photo ID: see below
 Fines Overlying Cap Material: ☐ Yes ☒ No Fines Thickness: n/a (cm)
 Sample ID: SC-2-4-SC-2-8-SC-2-12
 Type: ☐ cobble ☐ gravel ☒ sand (coarse / medium / fine) ☐ silt clay ☒ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☒ gray ☐ black ☐ brown ☐ brown surface Redox Discontinuity Depth: _____ (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other

Comments/Description:

Composite of SC-2-4, SC-2-8, + SC-2-12

Photo Nos:
 IMG-20190801-114737, IMG-20190801-114739 (2 photos)

see
 SC-2-4,
 SC-2-8,
 SC-2-12

SLIP 4 EARLY ACTION AREA SURFACE SEDIMENT COLLECTION FORM

Project Name: Slip 4 LTM (YR 7) Project No.: _____ pg 6 of 7
 Date: 8/1/2019 Crew: T. Do, J. Love
 Weather: mid-70s °F, sunny
 Sampling Method: hand-collected grabs

Time: 11:53 Station: SC-3-4 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: 3 ft. w/ of marker (Tolerance is +/- 2 meters)
 Bottom Depth: ~1a Penetration Depth: 10 (cm) Photo ID: See below
 Fines Overlying Cap Material: ☒ Yes ☐ No Fines Thickness: 2 (cm)
 Sample ID: ~1a - subsample for composite
 Type: ☐ cobble ☒ gravel ☐ sand [coarse / medium / fine] ☒ silt clay ☐ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☒ black ☐ brown ☒ brown surface Redox Discontinuity Depth: 2-10 (cm)
 Odor: ☐ none ☒ slight ☐ moderate ☐ strong ☒ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 0-0.5 cm - fines, brown surface
 0.5 - 2 cm - silt
 2-10 cm - Cap material, gravel w/ black silt in interstices, wood + plant debris
 Photo Nos: IM6-20190801-115446, IM6-20190801-115450,
IM6-20190801-115717, IM6-20190801-115718
4 photos

Time: 12:00 Station: SC-3-8 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: 10 inches S of marker (Tolerance is +/- 2 meters)
 Bottom Depth: ~1a Penetration Depth: 10 (cm) Photo ID: See below
 Fines Overlying Cap Material: ☐ Yes ☒ No (trace) Fines Thickness: 0 (cm)
 Sample ID: ~1a - subsample for composite
 Type: ☐ cobble ☒ gravel ☐ sand [coarse / medium / fine] ☐ silt clay ☒ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☐ black ☒ brown ☐ brown surface Redox Discontinuity Depth: none (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 0-10 cm - sand and gravel, some plant roots + plant debris, trace algae on surface
 Photo Nos: IM6-20190801-120303, IM6-20190801-120306,
IM6-20190801-120310, IM6-20190801-120339,
IM6-20190801-120341
5 photos

SLIP 4 EARLY ACTION AREA SURFACE SEDIMENT COLLECTION FORM

Project Name: SLIP 4 LTM (YR 7) Project No.: _____ pg 7 of 7
 Date: 8/1/2019 Crew: T. De, J. Love
 Weather: mid-70s °F, sunny
 Sampling Method: hand-collected grabs

Time: 12:05 Station: SC-3-12 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: on station (Tolerance is +/- 2 meters)
 Bottom Depth: n/a Penetration Depth: 10 (cm) Photo ID: see below
 Fines Overlying Cap Material: ☐ Yes ☒ No Fines Thickness: 0 (cm)
 Sample ID: n/a - subsample for composite
 Type: ☐ cobble ☐ gravel ☒ sand [coarse / (medium) / fine] ☐ silt clay ☐ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☐ black ☒ brown ☐ brown surface Redox Discontinuity Depth: none (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 0-10 cm - All cap material, mostly sand, plant roots & leafy debris
 1-10 cm: gravel (sporadic)
 Photo Nos.:
 IMG-20190801-120718, IMG-20190801-120726, IMG-20190801-120727,
 IMG-20190801-120815, IMG-20190801-120816 (5 photos)

Time: 12:10 Station: SC-3 Replicate: _____ Acceptable Grab: ☒ Yes ☐ No
 Target Coordinates: _____
 Actual "On Bottom" Coordinates: _____
 Distance from Target Station: on station (Tolerance is +/- 2 meters)
 Bottom Depth: n/a Penetration Depth: n/a (cm) Photo ID: see below
 Fines Overlying Cap Material: ☐ Yes ☒ No Fines Thickness: n/a (cm)
 Sample ID: SLU-1C-SC3-2019
 Type: ☐ cobble ☐ gravel ☒ sand [coarse / (medium) / fine] ☒ silt clay ☒ organic matter ☐ wood/shell fragments
 Color: ☐ drab olive ☐ gray ☒ black ☐ brown ☐ brown surface Redox Discontinuity Depth: n/a (cm)
 Odor: ☒ none ☐ slight ☐ moderate ☐ strong ☐ sulfidic ☐ petroleum ☐ other
 Comments/Description:
 Composite of SC-3-4, SC-3-8, & SC-3-12
 Photo Nos.: IMG-20190801-121316, IMG-20190801-121316-1,
 IMG-20190801-121318 (3 photos)

see
 SC-3-4,
 SC-3-8,
 SC-3-12

Sampling Logbook

08-01-19

TD¹¹

0630 Arrive at 1st Ave boat ramp.

hld's, pty cloudy. becoming clear
T.D. (WW). Prep supplies
and decon eqpt.

0730 Collect FB and FW GC samples
GFG Glass filters lot #D101196
Glost wipes/filters lot #0050824-4301
Jenny Love (WW) arrives.

0745 Gravity arrives.
R. Trudeau & P. Jenkins

0750 H/S briefing, load supplies, Set up.

0802 Depart boat ramp.

0807 Decon. hydraulic power grab.

08:15 Arrive @ WC-3 @ Slip 4.

08:16 WC-3 grab #1, Depth 8.7 ft.

Accepted. Penetration depth 20cm

08:39 Arrive @ WC-7.

08:39 WC-7 grab #1, accepted

Depth: 9.5 ft

09:02 Arrive @ WC-8.

Depth: 2.1 ft

09:03 WC-8 grab #1 rejected - rock
in jaws, grab empty.

09:05 WC-8 grab #2, rejected -
washed out.

Rite in the Rain

08.01.19

J. Love

09:08 WC-6 grab #3, accepted

Penetration depth: 13 cm

Bottom depth: 2.1 ft

09:30 Inspect institutional control sign. In general sign is in good condition. Bottom right-hand corner slightly bent upward but does not interfere with legibility of the sign. Two outer dolphin piling posts broken off but sign still well-supported by other pilings.

09:35 Head back to boat launch.

09:40 Arrive at boat launch. Offload, and head to Slip 4. End of on-water work.

10:00 Arrive @ Slip 4 public access area.

10:08 Collect sample WC-4

Sample collected 2 ft south of marker (marker located in gravel/cobbles).

10:30 Collect sample WC-2

Sample collected 3.5 ft N of marker (marker in water)

08.01.19

J. Love

1043 Collect sample WC-1. Sample 1 ft E of marker

1123 Collect SC-2-4, 3 ft SE of marker
SC-2-4 description: representative of surrounding area, gravel w/ small pockets of fines, small patches of algae and a type of grass beginning to colonize the area

1134 Collect SC-2-8, 5 inches S of marker in vegetation.

1141 Collect SC-2-12, on station. Marker surrounded by vegetation (dune grass)

1145 Collecting composite of SC-2-4, SC-2-8, and SC-2-12.

1153 Collect SC-3-4 3' W of marker - marker in gravel and rip-rap.

1200 Collect SC-3-8 10 inches S of marker. marker in ^{note in the rain} gravel + salt bush

14

08.01.19

growing around marker.

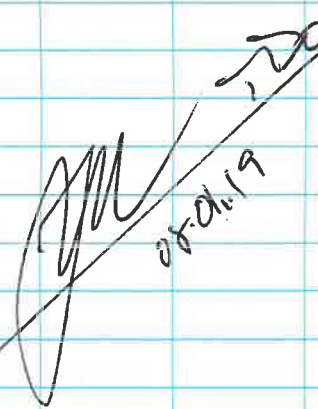
1205 Collect SC-3-12, on location
on S side of marker. marker
surrounded by dune grass.

1210 Homogenize and collect sample
SC-3 (composite of SC-3-4,
SC-3-8, and SC-3-12.

1215 Lunch break.

1230 Load supplies / eqpt. End of
sediment work.

1245 Depart Ship 4.


08.01.19

Chain of Custody

1 of 1

CHAIN-OF-CUSTODY/TEST REQUEST FORM

12 3828

Project/Client Name: Tip 4 LTM (Yr 7)/City of SeattleShip to: ARI

Project Number: _____

Attn: Sue DerrikovShipping Date: 08.01.2019Contact Name: Amara VandervortShipper: Hand del'd.

Airbill Number: _____

Sampled By: J. Love, T DoForm filled out by: T DoTurnaround requested: STD

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)							Comments / Instructions (Jar tag number(s))
					PCB Analogs	SVOCs	Metals HA	TOC/TS	Grain Size			
08.01.19	0730	SL4-SG-WC3-FB-2019	3	Filter paper	X	X	X					1-3
	0730	SL4-SG-WC3-FW-2019	3	↓	X	X	X					4-6
	0816	SL4-SG-WC3-2019	5	Sediment	X	X	X	X	X			7-11 (lab GC)
	0839	SL4-SG-WC7-2019	4		X	X	X	X	X			12-15
	0839	SL4-SG-WC7-FD-2019	4		X	X	X	X	X			16-19
	0908	SL4-SG-WC8-2019	4		X	X	X	X	X			20-23
	1008	SL4-SG-WC4-2019	4		X	X	X	X	X			24-27
	1030	SL4-SG-WC2-2019	4		X	X	X	X	X			28-31
	1043	SL4-SG-WC1-2019	4		X	X	X	X	X			32-35
	1145	SL4-IC-SG2-2019	4		X	X	X	X	X			36-39
	1210	SL4-IC-SG3-2019	4		X	X	X	X	X			40-43
Total Number of Containers			13	Purchase Order / Statement of Work #								

1) Released by: <u>Jenny Love</u>	1) Rec'd by: <u>Jenny Love</u>	2) Released by: _____	2) Rec'd by: _____
Print name: _____	Company: <u>Windward Environmental</u>	Print name: _____	Company: _____
Signature: <u>Jenny Love</u>	Date/Time: <u>8.1.19 / 13:05</u>	Signature: _____	Date/Time: _____
Company: <u>Windward Environmental</u>	Date/Time: <u>08/01/19 1305</u>	Company: _____	Date/Time: _____

* Distribution: White copies accompany shipment; yellow retained by consignor.



200 West Mercer Street
Suite 401
Seattle, WA 98119
Tel: (206) 378-1364
Fax: (206) 217-9343

To be completed by Laboratory upon sample receipt:

Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____